

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011904

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B23K20/10 B06B3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B23K B06B H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 1 464 551 A (GULTON INDUSTRIES, INC) 6 January 1967 (1967-01-06) page 2, paragraphs 5,6; figures 1-5	1,2,4-6, 8,11-13
Y	WO 02/43915 A (SCHUNK ULTRASCHALLTECHNIK GMBH ; E. STEINER ET AL) 6 June 2002 (2002-06-06) abstract; figures 5,6	1-13
Y	US 4 074 152 A (K. ASAI ET AL) 14 February 1978 (1978-02-14) column 1, line 7 - column 2, line 34 column 9, lines 4-26 column 12, line 51 - column 13, line 14 column 38, line 19 - column 39, line 25; figures 3-5,14a-c,15a-d,16a-b	1-13

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

14 February 2005

Date of mailing of the international search report

21/02/2005

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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WO 0243915	A	06-06-2002	DE 20020525 U1	29-03-2001
			DE 10127824 A1	20-06-2002
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			JP 57007791 B	12-02-1982
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